BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements and Maintenance of Public Toilet at Kodigehalli

Job Code :- 008-19-000019

Estimated Cost: 5.00 Lakhs

Sl.No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
1	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I.No. 15.53.2 of SR 2018-19).								
	External Painting		2.00	8.55		2.35	40.19		
			2.00	2.65		2.35	12.46		
							52.64	**110.16**	**5798.82**
						Total Qty		**Sqm**	
						Basic Rate		102.00	
						Sub Total		102.00	
						Area Weightage 8%		8.16	
						Final Rate		**110.16**	
2	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throuughly brushing the surface,free from mortar drops and other foreign matter, including priming , including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications,with primer. (Page No : 119, item No :15.51.2)For internal walls.								
	Internal Painting		2.00	7.75		1.50	23.25		
			4.00	1.50		1.50	9.00		
			6.00	2.15		1.50	19.35		
	Deductoion								
	D1		-2.00	0.85		2.00	-3.40		
	D2		-4.00	0.6		1.50	-3.60		
							44.6	**97.20**	**4335.12**
						Total Qty		**Sqm**	
						Basic Rate		90.00	
						Sub Total		90.00	
						Area Weightage 8%		7.20	
						Final Rate		**97.2**	
3	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles 400 x 400mm on a bed of 20mm thick (Page No : 108, item No :14.36.3)								
	Floor Area		1	8.05	2.15		17.31		
							17.31	**1455.84**	**25196.95**
						Total Qty		**Sqm**	
						Basic Rate		1348.00	
						Sub Total		1348.00	
						Area Weightage 8%		107.84	
						Final Rate		**1455.84**	

Sl.No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
4	KSRB 7.7 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 Kg/m both for outer and inner frames and central mullion section of size 25x46x3mm. weighing 2.28Kg/m duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and electrically grinded subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corosive paint and finishing with two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour and HOM of machinerycomplete as per specifications. Specification No. KBS 7.12.1 / 7.12.2 / 7.12.3 / 7.12 (Page No : 34, item No :7.7)								
			2	0.60	0.20		0.24		
							0.24	**4209.84**	**1010.36**
						Total Qty		**Sqm**	
						Basic Rate		3898.00	
						Sub Total		3898.00	
						Area Weightage 8%		311.84	
						Final Rate		**4209.84**	
5	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locI<ing arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(**For 1000 litre capacity**) Specification No.KBS 13.22 (P.No.96, I.No.13.78 of PW, P&IWTD S.R 2018-19)								
		1.00	1				1.00		
							1.00	**7374.24**	**7374.24**
						Total Qty		**each**	
						Basic Rate		6828.00	
						Sub Total		6828.00	
						Area Weightage 8%		546.24	
						Final Rate		**7374.24**	
6	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.99, I.No. 13.86.2 of KPWD SR 2018-19)								
	20mm Nominal OD Pipes	1.00	60				60.00		
							60.00	**253.80**	**15228.00**
						Total Qty		**m**	
						Basic Rate		235.00	
						Sub Total		235.00	
						Area Weightage 8%		18.80	
						Final Rate		**253.8**	
7	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes(P.No.99, I.No. 13.86.3 of KPWD SR 2018-19)								

Sl.No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
	25mm nominal OD pipes	1.00	60	--	--	--	60.00		
							60.00	**316.44**	**18986.40**
						Total Qty		**m**	
						Basic Rate		293.00	
						Sub Total		293.00	
						Area Weightage 8%		23.44	
						Final Rate		**316.44**	
8	KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 110mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9(P.No.96, I.No.13.70.4 of PW, P&IWTD S.R 2018-19)								
	110mm Outer dia	1.00	60	--	--	--	60.00		
							60.00	**410.40**	**24624.00**
						Total Qty		**m**	
						Basic Rate		380.00	
						Sub Total		380.00	
						Area Weightage 8%		30.40	
						Final Rate		**410.4**	
9	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No.84, I.No. 12.41 of KPWD SR 2018-19)								
		1.00	2	--	--	--	2.00		
							2.00	**1226.88**	**2453.76**
						Total Qty		**unit**	
						Basic Rate		1136.00	
						Sub Total		1136.00	
						Area Weightage 8%		90.88	
						Final Rate		**1226.88**	
10	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 90, I.No. 12.111 of KPWD SR 2018-19)								
		1.00	5	--	--	--	5.00		
							5.00	**162.00**	**810.00**
						Total Qty		**each**	
						Basic Rate		150.00	
						Sub Total		150.00	
						Area Weightage 8%		12.00	
						Final Rate		**162.00**	
11	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms (P.No. 90, I.No. 12.113.1 of KPWD SR 2018-19)								
		2.00	3	--	--	--	6.00		
							6.00	**270.00**	**1620.00**
						Total Qty		**each**	
						Basic Rate		250.00	
						Sub Total		250.00	
						Area Weightage 8%		20.00	
						Final Rate		**270.00**	
12	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (P.No. 93, I.No. 13.23 of KPWD SR 2018-19)								
		2.00	3	--	--	--	6.00		

Sl.No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
							6.00	205.20	1231.20
						Total Qty		each	
						Basic Rate		190.00	
						Sub Total		190.00	
						Area Weightage 8%		15.20	
						Final Rate		205.20	
13	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.94/ I.No. 13.34 of KPWD SR 2018-19)								
		2.00	4	--	--	--	8.00		
							8.00	484.92	3879.36
						Total Qty		each	
						Basic Rate		449.00	
						Sub Total		449.00	
						Area Weightage 8%		35.92	
						Final Rate		484.92	
14	KSRB 11 -6 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, S-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre white glazed I vitreous china clay low level, flushing cistern (all are approved make) with fittings, C.1 I M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.(P.No.79 I.No.12.5 of KPWD SR 2018-19)								
		1.00	3	--	--	--	3.00		
							3.00	5352.48	16057.44
						Total Qty		Each	
						Basic Rate		4956.00	
						Sub Total		4956.00	
						Area Weightage 8%		396.48	
						Final Rate		5352.48	
15	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.No.82 I.No.12.23 of PWDSR 2018-19)								
		1.00	3	--	--	--	3.00		
							3.00	4327.56	12982.68
							Total Qty	unit	
							Basic Rate	4007.00	
							Sub Total	4007.00	
						Area Weightage 8%		320.56	
							Final Rate	4327.56	

ADMINISTRATIVE APPROVAL
Accorded For Rs. Five lakhs only
Head of A/c P-3294
Div. Ref. No. 81 Date 01/02/19
AE EE(BTP) 01/02

Sl.No	Description of Work	Unit	No	L	B	D	Qty.	Rate	Amount
16	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 79, I.No.12.2 of KPWD SR 2018-19)								
		2.00	2	--	--	--	2.00		
							2.00	**4561.92**	**9123.84**
							Total Qty	***Each***	
							Basic Rate	*4224.00*	
							Sub Total	*4224.00*	
							Area Weightage 8%	*337.92*	
							Final Rate	***4561.92***	
17	KSRB 11-7.1 : Providing and fixing white vitreous china clay, flat back, lipped front **urinal basin** of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.No.80 I.No.12.7 of PWDSR 2018-19)								
		1.00	3	--	--	--	3.00		
							3.00	3317.76	**9953.28**
							Total Qty	***unit***	
							Basic Rate	*3072.00*	
							Sub Total	*3072.00*	
							Area Weightage 8%	*245.76*	
							Final Rate	*3317.76*	
							Total Construction Cost		***160665.45***
								12% GST	***19279.85***
								Sub Total	***179945.31***
							Miscellaneous and rounding off		***54.69***
								Total	***180000.00***
							lumpsum amount for Electrical Works		***40000.00***
							lumpsum amount for other Repair Works		***280000.00***
								Total	***500000.00***

TECHNICAL SANCTION
Accorded For Rs. Five lakhs only
Head of A/c P-3294
Div. Ref. No. 81 Date 01/02/19
AE EE(BTP) 01/02

Certificate.

1 *The workspot was inspected and work is found to be necessary.*
2 *The area comes within the Bruhat Bangalore Mahanagara Palike limits.*
3 *The rates adopted based on the KPWD Electrical SR 2014-15, BWSSB SR 2017-18, KPWD SR, Bangalore circle for year 2018-19.*
4 *The provisions made in the estimate are necessary and essential.*

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

Executive Engineer

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ಬ್ಯಾಡರಾಯನಪುರ ಉಪವಿಭಾಗ ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಬೆಂಗಳೂರು-560092.